

Sources of Information on Flood-Resistant Design and Construction¹

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The primary purpose of the publications referenced in this article is to assist engineers, architects, contractors, and property owners in locating detailed information on how to design and construct flood-resistant buildings and structures.

Appropriate design and construction practices are necessary for any site development, including new and substantially improved structures. Requests for information on the construction requirements should be directed to the community. The State National Flood Insurance Program (NFIP) Coordinator and the appropriate FEMA Regional offices will also provide relevant information.

FEMA offers a wide array of material for land development professionals and designated communities regarding NFIP construction requirements in identified flood-prone areas. The following list is an overview of a number of FEMA materials related to flood-resistant design and construction.

Online Resources Available from FEMA

- Avoiding Flood Damage: A Checklist for Homeowners
<http://www.fema.gov/pdf/hazards/flddam.pdf>
- Protecting Your Property from Flooding*
- Exterior Walls, <http://www.fema.gov/fima/how2003.shtm>
- Electrical System, <http://www.fema.gov/fima/how2004.shtm>
- Fuel Tanks, <http://www.fema.gov/fima/how2005.shtm>
- Heating, Ventilating, and Air Conditioning Equipment, <http://www.fema.gov/fima/how2006.shtm>
- Sewer Backflow Valves, <http://www.fema.gov/fima/how2007.shtm>

1. This document, IFAS publication DH0435, was published June 1998, revised May 2003. Reviewed August 2011. It is part of The Disaster Handbook, a component of the Comprehensive Disaster Preparedness and Recovery Education Module. For information about products and ordering, please visit: <http://disaster.ifas.ufl.edu>. All UF/IFAS Extension publications are available at the EDIS website: <http://edis.ifas.ufl.edu>.

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- Above the Flood: Elevating Your Floodprone House, FEMA-347, <http://www.fema.gov/hazards/floods/fema347.shtm>
 - Protecting Building Utilities from Flood Damage, FEMA-348, <http://www.fema.gov/hazards/floods/pbuffd.shtm>
 - Protecting Floodplain Resources, FEMA-268.
 - Homeowner's Guide to Retrofitting: Six Ways to Protect Your House from Flooding, FEMA-312
- *Note: FEMA is the Federal Emergency Management Agency, FIMA is the Flood Insurance and Mitigation Administration, a division of FEMA.

Other Resources Available from FEMA

To order these publications, call: 1-800-480-2520.

- Design Guidelines for Flood Damage Reduction, FEMA-15.
- Elevated Residential Structures, FEMA-54.
- Coastal Construction Manual, FEMA-55.
- Manufactured Home Installation in Flood Hazard Areas, FEMA-85
- Floodproofing Non-Residential Structures. FEMA-102.
- Retrofitting Flood-Prone Residential Structures, FEMA-114.
- Reducing Losses in High Risk Flood Hazard Areas: A Guide for Local Officials, FEMA-116.
- Answers and Questions About Substantially Damaged Buildings, FEMA-213.
- Repairing Your Flooded Home, FEMA-234.
- Mitigation of Flood and Erosion Damage to Residential Buildings in Coastal Areas, FEMA-257.
- Guide to Flood Maps. A how-to booklet for reading Flood Insurance Rate Maps (FIRMS), FEMA-258.
- Flood Emergency and Residential Repair Handbook, FIA-13.
- Engineering Principles and Practices for Retrofitting Flood Prone Residential Buildings, FEMA-259.
- Managing Floodplain Development in Approximate Zone A Areas: A Guide for Obtaining and Developing Base (100-year) Flood Elevations, FEMA-265